

INDIA

RUBBER WORLD

NATURAL & SYNTHETIC

BILL BROTHERS PUBLISHING CORP.

386 Fourth Avenue, New York 16, N. Y.

Volume 115-116

October, 1946, to September, 1947

A	PAGES	PAGES	BOOK REVIEWS	PAGES
Abrasion Tests, Laboratory and Service, Correlation of..... <i>A. E. Jure, F. Graves, and J. H. Fielding</i>	208	AMERICAN SOCIETY FOR TESTING MATERIALS Meetings..... <i>N 224, F 673, Ap 77, JI 509, Au 651</i>	"Chemistry for the Executive" <i>Ralph K. Strong</i>	416
Absorptive GR-S, Low Moisture..... <i>W. T. L. Ten Broeck and R. D. Jure</i>	781	Abstracts of Papers of Fiftieth Annual Specifications..... <i>N 224, S 796</i>	"Of Commercial Plastics" <i>Reginald L. Wakeman</i>	838
Accelerator, New—Butrax..... <i>F 696</i>	86	Of Body Engineers, Inc..... <i>S 796</i>	"Colloids—Their Properties and Applications"..... <i>A. G. Hard O 126</i>	
Accounting Manual, Plastics..... <i>O 86</i>		Mechanical Engineers, Rubber and Plastics Division <i>Ja 529, My 225, S 793</i>	"Concise Chemical and Technical Dictionary"..... <i>Edited by H. Bennett</i>	706
Acetate, High Acetyl Cellulose..... <i>JI 516</i>		Standards Association..... <i>D 381, Ap 93</i>	"Contribution to the Physics of Cellulose Fibers," Volume III..... <i>P. H. Hermans</i>	725
Acids, Fatty, and Their Soaps in the Manufacture of Butadiene Synthetic Rubber, The Use of..... <i>W. L. Semon</i>	63	Analysis, Chemical, of Synthetic Rubber, Development of Methods of..... <i>Willard P. Tyler and T. Higuchi</i>	"Controlling World Trade"..... <i>Edward S. Mason</i>	430
Acrylic Resin Prices Reduced..... <i>JI 517</i>		Anderson, Harold C..... <i>Portrait Au 664</i>	"Cotton and Rayon Textile Companies"..... <i>O 127</i>	
Additional Experimental GR-S and GR-S Latices..... <i>O 154, N 227, Ja 532, F 676, Ma 801, Je 392, JI 513, Au 654, S 793</i>	793	Antioxidant in GR-S, Less..... <i>Ma 810</i>	"Emulsion Technology," Second Edition <i>Ja 580</i>	
Adhesive, Bond-It..... <i>Au 653</i>		Appleby, Ralph B..... <i>Portrait D 392</i>	"Encyclopedia of Hydrocarbon Compounds," Volume I..... <i>Compiled by Joseph E. Furday</i>	414
Industrial, New—No. 4665..... <i>Ja 530</i>	530	Application Patents..... <i>O 104, N 249, D 352, Je 393, JI 536, Au 682, S 816</i>	"German for the Scientist"..... <i>Peter F. Wiener</i>	126
Vinyl—"Vinyl-Lastic"..... <i>F 679</i>		Appraising Plasticizer Performance in Vulcanized Rubbers, A Tetrafunctional Graph for..... <i>T. C. Patton and M. K. Smith</i>	"Going Abroad for Business"..... <i>Edmund B. Besseliere</i>	430
Adhesives, Flexible Organic, as Structural Elements..... <i>D. L. Loughborough and F. D. Snyder</i>	84	Argentina, Rubber Trade in..... <i>F 724, My 210</i>	"Handbook of Chemistry," Sixth Edition <i>Edited by Norbert A. Lange</i>	727
Advances in Plastics during 1946..... <i>Henry M. Richardson</i>	534	Aromatics for Vinyl Coatings—Res-O-Dors..... <i>Au 680</i>	"History and Romance of Elastic Webbing, The"..... <i>Clifford A. Richmond</i>	580
Rubber during 1946..... <i>Ellwood E. Riesing and Joseph O. Callouette</i>	519	Assured Natural Rubber Supply..... <i>E. W. Brandes</i>	"Industrial Republic, The Reflections of an Industrial Lieutenant"..... <i>Paul W. Litchfield</i>	273
Africa, Rubber Industry in..... <i>O 122, D 397, F 736, Ma 822, Ap 139, My 274, JI 532</i>	532	Australia, Rubber Trade in..... <i>N 271, Ap 128, Je 390, 412</i>	"Research Laboratories of the United States" <i>Compiled by Callic Hull</i>	864
Agent, Non-Ionic Surface-Active—Modicol L..... <i>Ja 532</i>		Authorizations for GR-S Latex Drum Purchases, Discontinue..... <i>Au 654</i>	"Introduction to Industrial Chemistry"..... <i>W. C. Frier and Albert C. Holler</i>	864
Agricultural Chemical, New—"Good-Rite"..... <i>Ja 530</i>		Automatic Spark Recorder for Stress-Strain Testing..... <i>R. Shearer</i>	"The Chemistry of the Silicones"..... <i>Engene G. Rochow</i>	276
Airbag Thickness, The Effect of, on the Cure of a 6.00x16 Tire..... <i>H. A. Freeman</i>	639	Available GR-S Polymers..... <i>J. L. Brady</i>	"Mechanism of Reactions at Carbon-Carbon Double Bonds"..... <i>Charles C. Price</i>	562
Akron Polymer Lecture Group..... <i>JI 513</i>		BACHNER, E. F., JR. Injection Molding of Large Parts, The..... <i>Au 656</i>	"New Fibers, The"..... <i>Joseph L. Sherman</i>	562
Rubber Group..... <i>N 227, D 377, F 675, Ma 812, Ap 75, Je 369, JI 517</i>	517	Baldwin, A. J..... <i>Portrait My 233</i>	"1940-41 Bibliography of Rubber Literature (Including Patents)"..... <i>Division of Rubber Chemistry, American Chemical Society</i>	273
Alien Patents Available for Licensing..... <i>O 83</i>		Band, C. S..... <i>Portrait My 233</i>	"Plastic Molds," Third Edition..... <i>Gordon B. Thayer</i>	276
Allocations of Pyridine, Wartime..... <i>Ja 530</i>		Bayer, P. T..... <i>Portrait My 233</i>	"Plastics Business"..... <i>Herbert R. Simonds and Joseph F. Sherman</i>	706
America, Latin, Rubber Industry in..... <i>N 272, Ja 552, F 724</i>	724	Malayan Rubber Policies..... <i>Au 629, S 783</i>	"Reclaimed Rubber"..... <i>John Ball</i>	414
South, Rubber Industry in..... <i>N 272, D 400, Ja 550, F 724, Ma 797, Ap 70</i>	210	Working of Rubber Regulation, The..... <i>Ja 501</i>	"Rubber Industry, The"..... <i>Josephine Perry</i>	864
AMERICAN CHEMICAL SOCIETY Colloid Division Symposium..... <i>JI 511, 514</i>	514	BEKKEDAH, NORMAN Natural Rubber..... <i>Ap 57</i>	"Seen from E. A."..... <i>Herbert Feis</i>	838
DIVISION OF RUBBER CHEMISTRY MEETINGS		Belgium, Rubber Trade in..... <i>My 262</i>	"Soap in Industry"..... <i>Georgia Lemingwell and Milton Lesser</i>	580
Fall, 1946..... <i>O 78</i>		Belton, J. Ross..... <i>Portrait My 233</i>	"Steam Trapping and Air Venting"..... <i>L. G. Northcroft</i>	274
Abstracts of Papers..... <i>O 78</i>		Benzonitrile—New Chemical Intermediate..... <i>S 793</i>	"Textile Chemistry Special Guide, 1946-47"..... <i>Fourth Edition</i>	564
1947..... <i>JI 514, Au 646, S 795</i>		Bibliography..... <i>O 130, N 277, D 434, Ja 582, F 728, Ma 868, Ap 138, My 280, Je 420, JI 508, Au 712, S 842</i>	Books, Technical Requested..... <i>F 679</i>	
Abstracts of Papers..... <i>Au 646</i>		of Government Rubber Program Papers..... <i>F 674</i>	Boston Rubber Group..... <i>N 226, Ja 521, Ap 75</i>	654
Spring, 1947..... <i>N 225, Ja 528, F 674, Ap 79, My 212, Je 367</i>		OTS, Reports on Rubber Products—Abstracts..... <i>O 75, D 410, F 710, Au 659, S 854</i>	Boyd, James H..... <i>Portrait JI 522</i>	
Abstracts of Papers..... <i>My 212</i>		Bingham, Millard F..... <i>Portrait F 653</i>	Bracht, J. P..... <i>Portrait Ap 97</i>	
Rubber Naming Committee..... <i>D 376</i>		Black, Channel, Statex K, a Furnace Carbon Superior to Reid L. Carr and H. B. Hefland..... <i>My 205</i>	BRADY, J. L. Available GR-S Polymers..... <i>Ja 509</i>	
Honors Hancock..... <i>Ap 76</i>		Blacks, Channel, in a GR-S Tread Stock, Processing of..... <i>Gardner L. Broten</i>	BRANDES, E. W. Progress Toward an Assured Natural Rubber Supply..... <i>JI 491</i>	
MEETINGS		Furnace—Present and Future..... <i>H. R. Smith and B. J. Wilber</i>	Brazil, Rubber Trade in..... <i>N 272, Ja 550, Ma 797</i>	
Fall, 1946..... <i>O 78</i>		Blowing Agent, New—Unicel ND..... <i>Je 369</i>	British Institute of Petroleum..... <i>F 675</i>	
Abstracts of Papers..... <i>O 78</i>		Bolivia, Rubber Trade in..... <i>N 264, Ma 797</i>	BROWN, GARDNER L. Processing of Channel Blacks in a GR-S Tread Stock..... <i>S 787</i>	
High Polymer Forum..... <i>O 79</i>		Bond-It Adhesive..... <i>Au 653</i>	Buffalo Rubber Group..... <i>Ja 529, My 222</i>	
1947..... <i>S 795</i>		On Bonds, Plastic, Resistant to Temperature Changes..... <i>D 383</i>	Buna, see Synthetic Rubbers	
Spring, 1947..... <i>F 674</i>		Book REVIEWS	Buoyancy Materials, New Insulation and—Styrofoam..... <i>D 383</i>	
Abstracts of Papers..... <i>Ap 72</i>		"A.S.T.M. Standards on Textile Materials"..... <i>American Society for Testing Materials</i>	Burma, Rubber Trade in..... <i>O 122</i>	
President-Elect, Thomas..... <i>F 675</i>		"Annual Report on the Progress of Rubber Technology," Volume IX, 1945..... <i>Edited by T. J. Drabekley</i>	Butadiene Synthetic Rubber, Research Leading to Commercial..... <i>Waldo L. Semon</i>	364
SECTIONS		"Butalastic Polymers"..... <i>Frederick Marchionna</i>	Use of Fatty Acids and Their Soaps in the Manufacture of, The..... <i>H. L. Semon</i>	463
Kalamazoo..... <i>Je 369</i>		"Chemical Engineering Catalog, 1946-47," Thirty-First Annual Edition..... <i>D 430</i>	Butler, Edward B..... <i>Portrait N 244</i>	
Michigan, University of..... <i>Je 369</i>		"Process Industries, The"..... <i>R. K. Norris</i>	Butrax—New Accelerator..... <i>F 696</i>	
Midland..... <i>Je 369</i>		Shreve..... <i>My 276</i>		
New Haven..... <i>Ma 812</i>				
North Jersey..... <i>Ma 811, Je 368</i>				
St. Joseph Valley..... <i>Je 369</i>				
Toledo..... <i>Je 369</i>				
AMERICAN Institute of Chemists..... <i>F 675, Je 369</i>				
Physical Society, Division of High Polymer Physics—Abstracts of Papers..... <i>Ja 526</i>				
SOCIETY FOR TESTING MATERIALS Committee, Conductive Rubber..... <i>D 377</i>				
D-11 on Rubber and Rubber-Like Materials..... <i>Au 651</i>				
D-20 on Plastics..... <i>Ma 817, My 224</i>				

Ja=Jan.: F=Feb.: Ma=Mar.: Ap=April: My=May: Je=June: JI=July: Au=August: S=Sept.: O=Oct.: N=Nov.: D=Dec.

	PAGES
C	
Cable and Wire—CPA Consulting Technical Committee Meeting.....	218
Calendar of Coming Events.....	O 87, N 231, D 408, Ja 533, F 676, Ma 824, Ap 79, My 225, Je 378, Jl 514, Au 690, S 796
CALDERETTE, JOSEPH, ELLWOOD F. RIESING AND.....	
Advances in Rubber during 1946.....	Ja 519
CAMERON, TOM.....	
West Coast Mechanical Rubber Goods Industry.....	F 653
Canada, Rubber Trade in.....	O 102, N 247, D 402, Ja 560, Ma 836, My 246, Je 390, Jl 533, Au 674, S 815
CARBON BLACK	
Bulk Shipment of SRF Black Pellets, First.....	N 237
Furnace Blacks—Present and Future.....	H. R. Smith and R. J. Wilkes, Jr. 361
Production and Sales, 1945.....	Ap 79
1946, Set Record.....	Jl 535
Staten K., a Furnace Carbon Superior to Channel Black Reid L. Carr and W. B. Wiegand My.....	205
Carbon, Furnace, Superior to Channel Black, Staten K. Reid L. Carr and W. B. Wiegand My.....	205
Carbon, C. A. Wiegand My.....	205
CARMAN, F. H. 1947 Materials Picture.....	Ap 80
Review of Plastic Materials Supply Outlook.....	N 228
CARR, REID L., AND W. B. WIEGAND.....	
Staten K., a Furnace Carbon Superior to Channel Black.....	My 205
Carter, Karl N.	Portrait Au 383
Cary, Kenneth B.	Portrait Ja 586
Cellulose Acetate, High-Acetyl.....	D 382
Gum-CMC.....	N 226
Cement, Neoprene, New.....	Jl 512
Centrifuging of Latex.....	J. Van Der Bie N 209
Ceylon, Rubber Trade in.....	O 118, N 270, Ma 822, 862, Ap 122, My 272, Jl 556
Changes, Temperature, Plastic Bonds Resistant to.....	D 383
Channel Black, Staten K., a Furnace Carbon Superior to Reid L. Carr and W. B. Wiegand My.....	205
Blacks in a GR-S Tread Stock, Processing of.....	Gardner L. Brunen S 787
CHEMICAL	
Agricultural, New "Good-Rite".....	Ja 530
Analysis of Synthetic Rubber, Development of Methods of.....	Willard P. Tyler and T. Higuchi Au 635
INSTITUTE OF CANADA	
Ontario Rubber Section.....	N 225, D 378, Ma 811, Ap 75, My 217, Jl 514
Rubber Division.....	My 217, Jl 514
Abstracts of Papers.....	My 217
INTERMEDIATES	
Benzonitrile.....	S 793
Rhodantrile.....	Ma 805
2-Amino Ethyl Sulfuric Acid.....	Ma 805
M.T.M.T.—New Goodrich.....	796
Patents.....	O 165, N 250, D 404, Ja 564, F 704, Ma 840, Ap 108, My 254, Je 394, Jl 538, Au 684, S 818
Chemicals Output, 1945 Rubber.....	N 225
Chicago Rubber Group.....	O 82, N 226, D 381, F 675, Ap 78, Je 370
Industry, A Historical Survey of.....	H. A. Hirschmann F 649
China, Rubber Trade in.....	D 428
China, Cyprus S.....	Portrait S 808
Circulars, Rubber Reserve.....	O 83, N 227, Ja 532, F 676, Ma 801, 808, 810, My 222, Je 392, Jl 512, 513, Au 654, S 793, 794
Clark, Frederick E., Wilfred F. L. Plack and.....	
Evaluation of Guayule Rubber, The.....	D 370
Cliner, Fred W.	Portrait Ma 827
Chimes, Polymer Laboratory.....	Jl 514
CMC—Cellulose Gum.....	D 382
Coated, Pyroxylin, Fabrics and Paper.....	O 87, F 679, Ap 84, Au 656
Coatings, Vinyl, Aromatics for—Res-O-Dors.....	Au 682
Coe, Wesley S.	Portrait Ma 827
Cold Test for Vulcanized Polymers, A Simple.....	Harold M. Lecher N 215
Collins, J. Gordon.....	Portrait N 93
Color Dispersions and Plastics Coloring Materials, New Poly-Tint.....	F 674
Coloring Materials, Plastics, New Color Dispersions and Poly-Tint.....	F 674
Commercial Butadiene Synthetic Rubber, Research Leading to.....	H. L. Simon O 364
Commodity Exchange, Inc.	F 693
Crude Rubber Market.....	My 282, Je 422, Jl 570, Au 714, S 844
Compound, New Laminating—Latex Compound.....	211846-8 Ma 817
Compounding Ingredients Prices.....	O 126, N 282, D 440, Ja 586, F 734, Ma 876, Ap 114, My 286, Je 426, Au 716, S 848
Compounds, A Method of Measuring "Heat Embrittlement" of GR-S and Hevea.....	Allen W. Scholl and J. W. Liska F 663
Concentration of German Buna and GR-S Latexes, Some Studies on the.....	Samuel H. Maron and Carl Moore S 789

	PAGES
Congress of Pure and Applied Chemistry, Eleventh International.....	655
Connecticut Rubber Group.....	N 226, D 381, Ma 811, Je 370
Consumption of Plastics and Resins, Shipments and.....	Ja 538, Ap 85, Jl 516
Cope, Howard.....	Portrait Ja 552
Copolymer Safety Manual, New Edition of Ja Cords, Tire, Encased in GR-S, Moisture Transfer to and from.....	W. James Lyons, Hilda M. Zuffe, Mary L. Nelson, and Trinidad Mares My 119
Truck, Cotton Tex. Rayon.....	Au 651
Correlation of Laboratory and Service Abrasion Tests.....	J. E. Jure, E. L. Graves, and J. H. Fielding My 208
Cotton Market and Fabrics.....	O 132, N 280, D 436, Ja 584, F 732, Ma 872, Ap 140, My 284, Je 424, Jl 572, Au 716, S 846
Tex. Rayon Truck Tire Cords.....	Au 651
Cox, Joseph E.	Portrait D 395
CPA Consulting Technical Committee Meetings.....	F 671, Ma 807, My 218, Je 365
Cracking, Exposure, of Rubber.....	J. H. Fielding Ma 802
Crawford, C. C.	Portrait N 240
Crosby, Joseph.....	Portrait Au 79
Crude Rubber Prices and Markets.....	O 132, N 254, D 438, Ja 584, F 700, Ma 872, Ap 140, My 282, Je 422, Jl 570, Au 714, S 844
Cuba, Rubber Trade in.....	Ja 552, F 694
Cure of a 6.00X16 Tire, The Effect of Airbag Thickness on the.....	H. A. Freeman Au 639
Curing Recipes and Properties, Lactoprene EV.....	W. C. Mast, T. J. Dietz, R. L. Dean, and C. H. Fisher Je 355
Czechoslovakia, Rubber Trade in.....	N 269, Ja 577, S 837
D	
Davidson, D. E.	Portrait Au 674
DeYoung, Russell.....	Portrait Ma 827
Dean, R. L., and C. H. Fisher, W. C. Mast.....	
DEAN, R. L., AND C. H. FISHER, W. C. MAST, T. J. DIETZ.....	
Lactoprene EV Elastomer Curing Recipes and Properties.....	Je 355
Decorating of Vinyl Films, The.....	A. B. Sherry Au 655
Detroit Rubber & Plastics Group, Inc.	N 226, Ja 532, Ap 77, Je 367, Au 654
Development of Methods of Chemical Analysis of Synthetic Rubber.....	Willard P. Tyler and T. Higuchi Au 635
Developments and Improvements in Methods of Stress-Strain Testing of Rubber.....	J. H. Schade and F. L. Roth S 777
Diallylphenolphosphate.....	Flame-Resistant S 798
Diene-Type Polymers, New Methods for Evaluating.....	A. E. Jure and C. H. Schroeder Ja 515
DIETZ, T. J., R. L. DEAN, AND C. H. FISHER, W. C. MAST.....	
Lactoprene EV Elastomer Curing Recipes and Properties.....	Je 355
Dixon, J. H., AND S. D. GEHMAN.....	
Hysteresis and Methods for Its Measurement in Rubber-Like Materials.....	O 1, N 217
Dismore, R. P.	Portrait D 359, F 696
Prospects for the Synthetic Rubber Industry.....	D 359
Discontinue, Wartime Use of.....	My 225
Discontinue Authorizations for GR-S Latex Drum Purchases.....	Au 654
Dispersions, New Color, and Plastics Coloring Materials Poly-Tint.....	N 254, D 438, Ja 584, F 700, Ma 874, Ap 103, My 250, Je 391, Jl 535, Au 678, S 815
Dougherty, B. E.	Portrait S 805
Drum Purchases, GR-S Latex, Discontinue Authorizations for.....	Au 654
Dryden, George B.	Portrait F 649
E	
East (U.S.A.), Rubber Trade in.....	O 93, N 237, D 392, Ja 546, F 691, Ma 828, Ap 93, My 234, Je 383, Jl 521, Au 664, S 806
Economic Trends, World, and the Future of Synthetic Rubber H'm. F. Zimmerli.....	197
Equador, Rubber Trade in.....	272
EDITORIALS	
Another Wage Increase Necessary?.....	Au 645
How about Prices Fixed by Government?.....	S 792
How's Business?.....	Jl 508
"Let's We Forget".....	O 77
Let's Have No More International Rubber Regulation!.....	Ja 525
Milestone in Labor Relations, A?.....	F 670
National Rubber Supervisory Body, The.....	806
Natural Rubber Slow-Reconversion Rate.....	77
New Educational Program on Synthetic Rubber Needed.....	Je 364
Outlook for Business in 1947.....	D 374
Realism in Rubber.....	Au 645
Rubber Goods Industry Fortunate.....	Au 71
Stockpile Natural Rubber Now!.....	Jl 508
Too Much Heat—Too Little Light.....	F 670
Wanted: A National Rubber Policy—Soon.....	N 223

	PAGES
EDITORIALS	
Which Rubber Industry Do You Mean? Ma World Economic Trends and the Future of Synthetic Rubber.....	806 211
Effect of Airbag Thickness on the Cure of a 6.00X16 Tire, The.....	H. A. Freeman Au 639
Oxidation on the Plasticity and Solubility of GR-S, The.....	R. D. Jure F 657
Elastomer, Lactoprene EV, Curing Recipes and Properties.....	W. C. Mast, T. J. Dietz, R. L. Dean, and C. H. Fisher Je 355
Elastomers, Vinyl, for Extrusion and Molding.....	G. H. Jargstorff S 797
Elements, Structural, Flexible Organic Adhesives as.....	D. L. Loughborough and F. D. Snyder O 84
Elwell, Bill.....	Portrait Au 79
"Embrittlement, Heat," of GR-S and Hevea Rubber Compounds, A Method of Measuring.....	Allen W. Scholl and J. W. Liska F 663
Esters, Polyethylene Glycol—Quakesters.....	S 795
Ricimoleate, as Low-Temperature Plasticizers for Nitrile-Type Synthetics.....	T. C. Patton and M. K. Smith Au 643
Ethyl Alcohol, Wartime Use.....	F 675
Europe, Rubber Industry in.....	O 125, N 265, D 420, Ja 575, F 720, Ma 854, Ap 128, My 264, Je 404, Au 696, S 831
Evaluating New Diene-Type Polymers, Methods for.....	A. E. Jure and C. H. Schroeder Ja 515
Plasticizers for Polyvinyl Chloride, Methods for.....	D. L. Kent and P. J. Hecker Ma 813
Evaluation of Guayule Rubber, The.....	H. A. Freeman Au 639
Experimental GR-S and GR-S Latexes, Additional.....	O 154, N 227, Ja 532, F 676, Ma 801, Je 392, Jl 513, Au 654, S 793
Polymers and Latexes, Tables of Standard, Special-Purpose, and, Office of Rubber Reserve, RFC, February 1, 1947.....	Ma 808
June 1, 1947.....	Jl 512
EXPOSITIONS	
Atomic Power.....	My 223
Chemical Industries.....	Au 663, S 796
Materials Handling.....	N 243
Plastics Show, National.....	O 86, N 231, Ma 817, Ap 82, Je 373
Society of Plastics Engineers.....	O 86, N 231, Ma 817
Power and Mechanical Engineering.....	82, S 528
Rainwear Fashion Show.....	O 93
Safety.....	My 234
Sporting Goods.....	Ma 828
Sportsmen's Show, National.....	Ma 830
Textile.....	Jl 521
Toy Fair.....	Ap 93
Show, National.....	S 807
World's Industrial Fair.....	Ja 548
Exposure Cracking of Rubber.....	J. H. Schroeder Ma 802
Extrusion and Molding, Vinyl Elastomers for.....	G. H. Jargstorff S 797
F	
Fabrics and Paper, Pyroxylin Coated.....	O 87, F 679, Ap 84, Au 656
Coated and Combined—CPA Technical Consulting Committee Meeting.....	F 671
Faceblanks, Improvements in Gas Mask.....	H. A. Freeman Au 639
Far East, Rubber Trade in.....	O 88, N 270, D 384, 424, Ja 542, 579, F 684, Ma 821, 862, Ap 90, 122, My 272, Jl 552, Au 629, S 803
Output: Progress and Prospects.....	Everett G. Holt N 205
Farm By-Products, Utilizes.....	Ap 84
Fatigue, Vibration, of GR-S in the Goodrich Flexometer.....	M. C. Thordahl Au 69
Fatty Acids and Their Soaps in the Manufacture of Butadiene Synthetic Rubber, The Use of.....	H. L. Simon Au 63
Fibers, Synthetic, Symposium.....	F 676
FIELDING, J. H.	
Exposure Cracking of Rubber.....	Ma 802
A. E. JURE, F. L. GRAVES, AND.....	
Correlation of Laboratory and Service Abrasion Tests.....	My 208
Filters, Powdered Metallic—Rusallay.....	F 676
Film on Plastic Molding.....	My 225
Films, Vinyl, The Decorating of.....	A. B. Sherry Au 655
Financial.....	O 103, D 438, Ja 560, F 700, Ma 874, Ap 102, My 250, Je 391, Jl 534, Au 678, S 814
Finishes, Polystyrene Surface.....	Jl 517
Silicone Plastics.....	My 225
Finland, Rubber Trade in.....	N 269
FISHER, C. H., W. C. MAST, T. J. DIETZ, R. L. DEAN, AND.....	
Lactoprene EV Elastomer Curing Recipes and Properties.....	Je 355
Flame-Resistant Plastic—Diallylphenolphosphate.....	S 798
Fletcher, Andrew.....	Portrait Je 384
Flewellin, Norman L.	Portrait Jl 526
Flexible Organic Adhesives as Structural Elements.....	D. L. Loughborough and F. D. Snyder O 84

Ja=Jan.; F=Feb.; Ma=Mar.; Ap=April; My=May; Je=June; Jl=July; Au=August; S=Sept.; O=Oct.; N=Nov.; D=Dec.

	PAGES
Flexometer, Goodrich, Vibration Fatigue of GR-S in the.....M. C. Thordahl Ap 69	
Flory, Paul J.....Portrait Ma 827	
Footwear—CPA Consulting Technical Committee Meeting.....F 671	
Foreign Trade Opportunities.....O 87, Ja 570, F 708, Ma 824, Ap 142, JI 574, Au 690, S 822	
Foulbert, Gene.....Portrait D 382	
France, Rubber Trade in.....N 267, Ja 575, F 684, 722, Ma 860, Ap 130, My 266, Je 408, S 831	
Free Industry, Synthetic Rubber—A Protected or a.....Ralph F. Wolf Au 641	
FREEMAN, H. A. AND.....Portrait Je 641	
Effect of Airbag Thickness on the Cure of a 6.00X16 Tire, The.....Au 639	
Furnace Blacks—Present and Future, H. R. Smith and B. A. Wilkes Je 361	
Carbon Superior to Channel Black, Stetex K. A. Reid L. Carr and W. B. Wiegand My 205	
Future of Synthetic Rubber, World Economic Trends and the Wm. F. Zimmerli My 197	

G

Gallagher, W. I.Portrait Au 664	
Garvey, Benjamin S., Jr.Portrait Je 383	
SARACH, D. V. AND.....Portrait Je 383	
Solubilities of Unvulcanized Rubbers Ma 798	
Gas Mask Faceblanks, Improvements in—H. S. H. Katz and Irving Pochel O 69	
Gates Technical ClubAp 79	
Gelman, S. D.Portrait Ja 531	
DILLON, J. H. AND.....Portrait Ja 531	
Hysteresis and Methods for Its Measurement in Rubber-Like Materials O 61, N 217	
Geon-Hycar Polyblends.....M. S. Montlow Je 371	
German Buna and GR-S Latexes, Some Studies on the Concentration of Samuel H. Maron and Carl Moore S 789	
Textile Machine Displayed.....JI 512	
Germany, Rubber Trade in.....My 272, Je 378, Au 702, S 837	
Ginaven, Howard L.Portrait JI 532	
Gloves, Work Plastic-Coated.....N 231	
Glycerin in Latex Threads.....N 227	
Glycol Esters, Polyethylene Quakesters, S. Goodrich Flexometer, Vibration Fatigue of GR-S in the.....M. C. Thordahl Ap 69	
"Good-Rite"—New Agricultural Latex Resin 50.....JI 514	
Goods, Synthetic Rubber, Phenolic Resins Improve.....C. R. Simmons My 224	
Government Rubber Price Changes.....S 794	
Program Papers, Bibliography of.....F 674	
Governmental Activities in the Production of Synthetic Rubber.....H. R. Hucks Je 347	
GR-S, see Synthetic Rubbers	
GRM-2 Low-Pressure Molding Resin.....Ja 538	
Graph, A Tetrafunctional, for Appraising Plasticizer Performance in Vulcanized Rubbers.....T. C. Patton and M. K. Smith F 666	
GRAVES, E. L. AND J. H. FIELDING, A. E. AND.....Portrait My 208	
Correlation of Laboratory and Service Abrasion Tests.....My 208	
Gray, HaroldPortrait Ap 97	
Great Britain, Rubber Trade in.....N 265, D 420, Ja 577, F 684, 720, Ma 856, Ap 128, My 264, Je 404, Au 696, S 833	
Grote, Rolf G.Portrait F 694	
Guayule, Navy Research on.....N 233, Je 366	
Rubber, Evaluation of, The.....H. F. F. L. Place and Frederick E. Clark D 370	
Gullekson, M.Portrait Au 79	
Gum, Cellulose—CMC.....D 382	

H

Haley, E. WaynePortrait S 806	
Handling, Material, Survey of Rubber Goods Industry.....Je 351	
Harbison, LynnPortrait S 809	
Hard Rubber—CPA Consulting Technical Committee Meeting.....Ma 807	
"Heat Embrittlement" of GR-S and Hevea Rubber Compounds, A Method of Measuring Allan H. Scholl and J. H. Liska F 663	
Hevea Latex, Outlook for Arthur Nolan F 661	
Rubber Compounds, A Method of Measuring "Heat Embrittlement" of GR-S and Allen H. Scholl and J. H. Liska F 663	
High Acetyl Cellulose Acetate.....JI 516	
Polymers Aging Symposium.....Ja 528	
Temperature Lubricant Zuppan "Hi-Lo" Ma 834	
HIGUCHI, T., WILLARD TYLER AND.....Portrait S 806	
Development of Methods of Chemical Analysis of Synthetic Rubber.....Au 635	
Historical Survey of the Rubber Industry in Chicago, A.....H. A. Winkelman F 649	
Hofman, H. L.Portrait Au 674	
Hoffman, Harry A.Portrait D 392	
Holland, see Netherlands	
Holt, Everett G.Portrait N 205	
Far East Rubber Output: Progress and Prospects.....N 205	
Hosch, M.Portrait N 205	
Recent Russian Literature on Natural and Synthetic Rubber.....O 73, N 216, Ja 518, Ap 62	

Hucks, W. R.Portrait Je 347	
Governmental Activities in the Production of Synthetic Rubber.....Je 347	
Hutchinson, Robert L.Portrait S 806	
Hyatt Award.....Ap 82, My 225	
Hycar, see Synthetic Rubbers	
Hydrocarbon Samples, New Standard.....S 794	
Hysteresis and Methods for Its Measurement in Rubber-Like Materials.....J. H. Dillon and S. D. Gehman O 61, N 217	

I

Improvements in Gas Mask Faceblanks—H. S. H. Katz and Irving Pochel O 67	
Methods of Stress-Strain Testing of Rubber, Developments and J. H. Schade and F. L. Roth S 777	
Index to OTS Reports.....Ma 824	
India, Rubber Trade in.....Ja 579	
World	
Gelman Replaces Dillon on Editorial Advisory Board.....Ja 531	
Statement of.....O 140	
Indo-China, Rubber Trade in.....O 118, D 424, F 684, Ma 821, Ap 126	
Industrial Research Institute, Inc. My 223, JI 513	

INDUSTRY

Mechanical Rubber Goods, West Coast Tom Cameron F 655	
Rubber Goods, Material Handling Survey of.....Je 351	
In Chicago, A Historical Survey of the H. A. Winkelman F 649	
Synthetic, Prospects for the.....R. F. Diamond D 359	
Protected or a Free, A.....Walt Au 641	
Injection Molding of Large Parts, The E. F. Bachner, Jr. Au 656	
Institution of the Rubber Industry Foundation Lecture.....Ma 812	
Insulation and Buoyancy Materials, New Styrofoam.....D 383	
Italy, Rubber Trade in.....D 422, My 287	

J

Japan, Rubber Trade in.....Ap 144, JI 558, S 804	
Jaya, Rubber Trade in.....Ma 862	
Joshy, C. P.Portrait Ap 98	
JUVE, A. E., F. L. GRAVES, AND J. H. FIELDING.....Portrait My 208	
Correlation of Laboratory and Service Abrasion Tests.....My 208	
SCHROEDER, C. H. AND.....Portrait My 244	
Methods for Evaluating New Diene-Type Polymers.....Ja 515	
JUVE, R. D.Portrait F 657	
Effect of Oxidation on the Plasticity and Solubility of GR-S.....F 657	
TEN BROECK, W. T. L. AND.....Portrait S 781	
Low Moisture Absorptive GR-S.....S 781	

K

Kandari—Textile Finishing Agent.....D 394	
KATZ, S. H. AND IRVING POCHEL.....Portrait O 69	
Improvements in Gas Mask Faceblanks—H. S. H. Katz and Irving Pochel O 69	
Kennedy, J. S.Portrait My 244	
KENT, D. L. AND P. J. WEAVER.....Portrait My 244	
Methods for Evaluating Plasticizers for Polyvinyl Chloride.....Ma 813	
Kinsey, H. C.Portrait JI 523	
Klein, George J.Portrait Je 383	
Koffler, Samuel W.Portrait Ma 827	
Kolac—Textile Finishing Agent.....D 394	
Kratz, George D.Portrait My 233	
Kriston Resins, Goodrich Chemical Reduces the Price of.....Ja 538	

L

Laboratory and Service Abrasion Tests, Correlation of.....A. E. Juve, F. L. Graves, and J. H. Fielding My 208	
Lactoprene EV Elastomers Curing Recipes and Properties.....H. C. Mast, T. J. Dietz, R. L. Dean, and C. H. Fisher Je 353	
Laminated Plastics, Rayon.....Ja 538	
Laminating Compound, New—Latex Compound 11846-8.....Ma 817	
Large Parts, The Injection Molding of E. F. Bachner, Jr. Au 656	
LATEX	
Centrifuging of—L. G. J. Van Der Bie N 209	
Compound 11846-8—New Laminating Compound.....Ma 817	
GR-S, Drum Purchases, Discontinue Authorizations for.....Au 654	
Outlets, New, for Rubber, through Charles J. Michon F 659	
Outlook for Hevea.....Arthur Nolan F 661	
Preservation and Storage of, Proper John McGaruch D 362	
Threads, Glycerin in.....N 227	
LATICES	
GR-S and GR-S Latexes, Additional Experimental.....O 154, N 227, Ja 532, F 676, Ma 801, Je 392, JI 513, Au 654, S 793	

	PAGES
--	-------

LATICES

GR-S	
Tables of Standard, Special-Purpose, and Experimental, Polymers and Latexes, Office of Rubber Reserve, RFC, February 1, 1947 Ma 808	
June 1, 1947.....JI 512	
Concentration of German Buna and Some Studies on the.....Samuel H. Maron and Carl Moore S 789	
Synthetic—A Summary.....L. A. Holscher Ap 66	
Latin America, Rubber Industry in.....N 272, D 400, Ja 550, 552, F 724, Ma 792, Ap 70, My 210	
Lawson, George R.Portrait Je 383	
Lead and Zinc Pigments, 1946 Production of.....Au 680	
Lebanon, Rubber Trade in.....D 428	
LEPPER, HAROLD M.Portrait Je 383	
Simple Cold Test for Vulcanized Polymers, A.....N 215	
Lerch, Wm.Portrait Ja 552	
Less Antioxidant in GR-S.....Ma 810	
Lewis, HaroldPortrait JI 530	
Liberia, Rubber Trade in.....Ma 822	
Licensing, Alien Patents Available for.....O 83	
LISKA, J. W. AND ALLEN W. SCHOLL.....Portrait O 83	
Method of "Heat Embrittlement" of GR-S and Hevea Compounds, A Method of Measuring Allan H. Scholl and J. H. Liska F 663	
Litchfield, Paul W.Portrait F 696	
Literature, Recent Russian on Natural and Synthetic Rubber.....M. Hosch O 73, N 216, Ja 518, Ap 62	
Lockwood, Warren S.Portrait O 94	
Long-Range Rubber Program, A Plan of Study for the.....H. J. Sears JI 504	
Los Angeles Rubber Group, Inc.N 225, D 378, Ja 531, Ma 810, Ap 78, Je 368, JI 510	
LOUGHBOROUGH, D. L. AND F. D. SNYDER.....Portrait O 84	
Flexible Organic Adhesives and Structural Elements.....O 84	
Low Moisture Absorptive GR-S.....H. T. L. Ten Broeck and R. D. Juve S 781	
Pressure Molding Resin—GRM-2.....Ja 538	
Temperature Plasticizers for Nitrile-Type Synthetics, Ricinoleate Esters as T. C. Patton and M. K. Smith Au 643	
Lubricant, High-Temperature—Zuppan "Hi-Lo".....Ma 834	
Rubber Preservative and Vitene.....Au 680	
LYONS, W. JAMES, HILDA M. ZIFLE, MARY L. NELSON, AND TRINIDAD MARES.....Portrait My 199	
Moisture Transfer to and from Tire Cords Encased in GR-S.....My 199	

M

Machine, German Textile, Displayed.....JI 512	
Machinery Patents.....O 108, N 254, D 408, Ja 568, F 708, Ma 844, Ap 122, My 258, Je 398, JI 540, Au 688, S 822	
Retreading and Rubber Working.....Ja 531	
MACHINES AND APPLIANCES	
Belt Handling Machine.....Au 694	
Builder and Cutter, Belt.....Je 402	
Coater, Roll, Improved.....S 826	
Coating Machine, Completely Coordinated O 112	
Control Unit, Temperature.....D 412	
Controller, Multiple.....Portrait S 846	
Controls, Industrial.....D 269	
Crescent, Sheet Plastic.....F 714	
Cutter, Bench-Type Guillotine.....M 262	
Cutter, Rubber.....F 714	
Cutting Machine, Tire.....N 256	
Detector, Static Electricity.....Ap 118	
Flashlights, Industrial, on Flexible Tubing F 731	
Folding Machine, Plastic Sheet.....O 110	
Gage, Pressure, New.....Ja 574	
Wire Diameter, Photo-Electric.....Ma 846	
Heater, Combination.....N 258	
Heating Unit, Plastic.....Au 118	
Hood for Laboratory Mill.....D 414	
Impregnating, Cord, Machine.....Ap 116	
Mill Machinery, Roller Bearing.....Au 692	
Molds, Collapsible Belt Curing.....JI 544	
pH Meter, Cambridge Direct-Reading.....Je 400	
Presses	
Automatic, New.....Ma 846	
Hydraulic, New.....Au 694	
Molding.....N 260	
Platen, Multiple Opening.....JI 544	
Two-Opening Multiple Cylinder.....My 260	
Production Unit.....S 824	
Pumps, Motorless.....Ja 574	
Vulcanizing, Belt, Improved.....Ja 572	
Pulverizer, New Screenless.....D 414	
Tube, Industrial Elevating.....S 791	
Tester, Insulation Resistance.....O 112	
Testing Machine, Tire Cord.....JI 546	
Thermostat, Miniature.....N 258	
Truck, Fork.....Ma 848	
Valve, New.....Portrait F 695	
MacKay, John A.Portrait My 233	
MacLean, D. K.Portrait S 809	
MacLeod, B. H.Portrait Je 386	
Maddy, D. C.Portrait N 272	
Malaya, Rubber Trade in.....O 122, N 272, D 428, F 684, Ma 821, 862, Ap 90, My 274, JI 552	
Malayan Rubber Policies.....P. T. Baner Au 629, S 783	
Manual, Copolymer Safety, New Edition F 533	

	PAGES
Manufacture of Butadiene Synthetic Rubber, The Use of Fatty Acids and Their Soaps in the <i>W. L. Semon</i> Ap 63	
MAKES, TRINIDAD, W. JAMES LYONS, HILDA M. ZUFFE, MARY L. NELSON, AND Moisture Transfer to and from Tire Cords Encased in GRS <i>M. J. Targoff</i> My 199	
MARKETS AND PRICES	
Compounding Ingredients O 136, N 282, D 447, Ja 586, F 734, Ma 876, Ap 114, My 286, Je 426, Au 716, S 848	
Cotton and Fabrics O 132, N 280, D 436, Ja 584, F 732, Ma 872, Ap 140, My 284, Je 424, JI 572, Au 716, S 846	
Crude Rubber O 132, N 254, D 438, Ja 584, F 700, Ma 872, Ap 140, My 282, Je 422, JI 570, Au 714, S 844	
Rayon D 436, Ja 584, F 732, Ma 872, Ap 140, My 286, Je 424, JI 572, Au 716, S 846	
Reclaimed Rubber O 134, N 282, D 438, Ja 586, F 732, Ma 872, Ap 142, My 284, Je 422, JI 570, Au 714, S 844	
Scrap Rubber O 132, N 282, D 436, Ja 586, F 732, Ma 872, Ap 140, My 284, Je 422, JI 570, Au 714, S 844	
MARON, SAMUEL H., AND CARL MOORE Some Studies on the Concentration of German Buna and GRS Latexes S 789	
Mask, Gas, Faceplanks, Improvements in <i>S. H. Katz and Irving Puckett</i> O 69	
Mason, James N. <i>Portrait</i> Ap 84	
MAST, W. C., T. J. DIETZ, R. L. DEAN, AND C. H. FISHER Lactoprene EV Elastomer Curing Recipes and Properties Je 355	
Material Handling Survey of Rubber Goods Industry Je 351	
MATERIALS	
Insulation and Buoyancy, New—Styrofoam D 383	
Plastics Coloring, New Color Dispersions and—Poly-Tint F 674	
Picture, 1947 <i>F. H. Carman</i> Ap 80	
Rubber-Like, Hysteresis and Methods for Its Measurement in <i>J. H. Dillon and S. D. Gehman</i> O 61, N 217	
Supply Outlook, Review of Plastic <i>F. H. Carman</i> N 228	
Matthews, John H. <i>Portrait</i> My 233	
May, I. E. <i>Portrait</i> O 100	
Mayo, Frank R. <i>Portrait</i> Ap 666	
McCampbell, Paul R. <i>Portrait</i> My 233	
McElligott, J. K. <i>Portrait</i> S 812	
McGAVACK, JOHN Proper Preservation and Storage of Latex D 362	
McMillan, F. M. <i>Portrait</i> D 382	
Measurement in Rubber-Like Materials, Hysteresis and Methods for Its <i>J. H. Dillon and S. D. Gehman</i> O 61, N 217	
Measuring "Heat Embrittlement" of GRS and Hevea Rubber Compounds, A Method of <i>Allen W. Scholl and J. W. Liska</i> F 663	
Mechanical Precision in Molded Plastics Parts <i>S. K. Moyness</i> F 677	
Rubber Goods—CPA Consulting Technical Committee Meeting Je 365	
Industry, West Coast, <i>Tom Cameron</i> F 655	
Mellon Institute Report, 1946-47 My 223	
Metallic Fillers, Powdered—Rosinoid F 676	
Method of Measuring "Heat Embrittlement" of GRS and Hevea Rubber Compounds, A <i>Allen W. Scholl and J. W. Liska</i> F 663	
Methods for Evaluating New Diene-Type Polymers <i>A. E. Jure and C. H. Schroeder</i> Ja 515	
Plasticizers for Polyvinyl Chloride <i>D. L. Kent and P. J. Weaver</i> Ma 813	
Its Measurement in Rubber-Like Materials, Hysteresis and <i>J. H. Dillon and S. D. Gehman</i> O 61, N 217	
Of Chemical Analysis of Synthetic Rubber, Development of <i>Willard P. Taylor and T. Higuchi</i> Au 635	
Stress-Strain Testing of Rubber, Developments and Improvements in <i>J. H. Schade and F. L. Roth</i> S 777	
Mexico, Rubber Trade in O 102, N 246, D 401, Ja 550, F 690, Ma 835, Ap 100, My 244, Je 379, JI 529, Au 672, S 813	
Mighton, Charles J. <i>Portrait</i> D 392	
New Outlets for Rubber through Latex F 659	
Mediol G—New Tackifier My 225	
L-Non-Ionic Surface-Active Agents S 532	
Moisture Absorptive, Low GRS <i>H. T. L. Ten Brock and R. D. Jure</i> S 781	
Transfer to and from Tire Cords Encased in GRS <i>W. J. James Lyons, Hilda M. Zuffe, Mary L. Nelson, and Trinidad Mares</i> My 199	
Molded Plastics Parts, Mechanical Precision in <i>S. K. Moyness</i> F 677	
Molding, Injection, of Large Parts, The <i>E. F. Bachner, Jr.</i> Au 656	
Plastics, Film on, Low-Pressure—GRM-2 Ja 538	
Vinyl Elastomers for Extrusion and <i>G. W. Targoff</i> S 797	
Monoplex 11 and 16—New Plasticizers Au 653	
MOORE, CARL, SAMUEL H. MARON AND Some Studies on the Concentration of German Buna and GRS Latexes S 789	

	PAGES
MORTIS, H. B. <i>Portrait</i> Ap 96	
ROSS <i>Portrait</i> Ma 811	
MOULTON, M. S. Je 371	
Geon-Hycar Polyblends Je 371	
Mountings, Rubber—CPA Consulting Technical Committee Meeting Ma 807	
MOYNESS, S. K. F 677	
Mechanical Precision in Molded Plastics Parts F 677	
M.T.M.T. New Goodrich Chemical S 796	
N	
Naming Committee, Rubber D 376	
NATIONAL	
Association of Independent Tire Dealers N 236	
Bureau of Standards, Rubber Research and Technology at the <i>Lawrence A. Wood</i> Ma 789	
Safety Council Ap 79	
Awards and Rubber Section Elections N 246	
Natural and Synthetic Rubber, Recent Russian Literature on <i>M. Hoesel</i> O 73, N 216, Ja 518, Ap 62	
Rubber Supply, Progress toward an Assured <i>E. W. Brindes</i> JI 491	
Rubbers <i>Norman Bekkedahl</i> Ap 57	
Nautagut GR-S-SP Polymers My 222	
Navy Research Program on Rubber-Bearing Plants N 233, Je 366	
Specifications, New O 83, N 226, Ja 552, F 675, D 428	
Near East, Rubber Trade in D 382	
NELSON, MARY L., AND TRINIDAD MARES, W. JAMES LYONS, HILDA M. ZUFFE Moisture Transfer to and from Tire Cords Encased in GRS My 199	
Neoprene, see Synthetic Rubbers	
Netherlands, Rubber Trade in O 125, Ja 578, Ma 854, S 836	
India, Rubber Trade in O 120, N 271, Ap 91	
New Diene-Type Polymers, Methods for Evaluating <i>A. E. Jure and C. H. Schroeder</i> Ja 515	
Edition of Copolymer Safety Manual Ja 533	
England, Rubber Trade in O 102, N 247, D 402, F 698, Ma 836, Ap 102, My 242, Je 386, JI 526, Au 672, S 804	
NEW GOODS AND SPECIALTIES	
Adhesive for Sealing Corrugated Paper S 547	
Cartons Ja 547	
Synthetic Rubber Ma 829	
Ball, Novel Punching N 828	
Balls, Rubber-Covered Athletic N 263	
Basket, Egg Ja 547	
Battery, Storage, Improved Auto Ma 850	
Belt, Conveyor-Ray-Man Tension Master Je 384	
Blanket, Fire Ja 546	
Boat, Four-Passenger Rubber My 239	
Improved Inflatable Rubber Ma 852	
Boot, Dust Excluder N 95	
Bowlers, Improved Products for N 208	
Carrier, Bottle Ja 547	
Clothesline, Koroseal D 400	
Elastic Fabric—Kuron My 237	
Grips, Airplane Control Wheel O 114	
Handles, Insulated Tool F 716	
Heating Pad, Gigantic Electric F 716	
Radiant My 237	
Hose, Fire, Goodyear Je 388	
Ice Guard, Propeller S 833	
Ink, Printing Ma 833	
Inner Tube, U. S. Royal Air Guard O 95	
Leashes, Plastic F 718	
Mat, Rubber, for Boxing Rings S 830	
Matting, Floor, for Industrial Use O 114	
Mop, Sponge N 262	
Playthings, Molded Latex D 416	
Pool, Wading, Children's O 116	
Koroseal S 830	
Recoating Industrial Aprons JI 548	
Roll, Steel-Mill Ja 556	
Rug Backing Compound F 718	
Soling, Neoprene Crepe JI 550	
Tile, Plastic Floor JI 548	
Wall JI 550	
TIRES	
Airplane, Wire D 394	
Bicycle, Goodyear M 242	
Earthmover Truck O 105	
Glass-Cord F 697	
Nylon, Passenger-Car, Firestone Ap 96	
Goodyear Ap 99	
Truck, Goodyear My 242	
Road Lug D 399	
Shuttle Cars, for N 264	
Super Cushion, Goodyear S 811	
Tractor, Firestone Je 386	
Tubeless, Goodrich Je 386	
U. S. Royal Air Ride O 95	
Wire Cord Ma 831	
Towel, Dish, Carosol Au 668	
Toys, Rubber Squeeze-Me N 262	
Vinylite, Inflatable Ma 850	
Visor, Glare-Removing Driving D 416	
Wire, Aircraft—Neolay O 95	
NEW	
GR-S Numbers Assigned S 794	
Incorporations O 134, Ja 560, Ap 103, Je 391, Au 680	
Hydrocarbon, Standard, Samples S 794	
Insulation and Buoyancy Materials—Styrofoam D 383	

	PAGES
NEW	
Navy Specifications O 83, N 226, Ja 552, F 675, Je 367	
Neoprene Cement N 226	
Outlets for Rubber through Latex <i>Charles J. Mighton</i> F 659	
PLASTICIZERS	
Monoplex 11 and 16 Au 653	
Paraplex RG-10 S 798	
Plastofries 62 JI 517	
Publications O 127, N 274, D 432, Ja 581, F 726, Ma 866, Ap 134, My 278, Je 367, JI 564, Au 708, S 839	
Standard Hydrocarbon Samples S 794	
Tile Cement JI 512	
York Outside Market My 282, Je 422, JI 570, Au 714, S 844	
Rubber Group O 83, N 224, Ja 530, My 220, JI 517, Au 714, S 795	
1945 Carbon Black Production and Sales Ap 79	
Rubber Chemicals Output N 225	
1946, Advances in Plastics during <i>Henry M. Richardson</i> Ja 534	
Rubber <i>Ellenwood F. Riesing and Joseph O. Callonette</i> Ja 519	
Production of Lead and Zinc Pigments Au 680	
Thiurams F 676	
Shipments of Rubber Goods S 858	
1947 Materials Pictures (Plastics) <i>F. H. Carman</i> Ap 80	
Nitrile-Type Synthetics, Ricinoleate Esters as Low-Temperature Plasticizers for <i>C. Patton and M. K. Smith</i> Ap 643	
Nolan, Arthur <i>Portrait</i> F 661	
Outlook for Hevea Latex F 661	
Non-Ionic Surface-Active Agent—Mediol My 225	
L F 532	
Northern California Rubber Group D 382, Ma 811, Ap 78	
Norway, Rubber Trade in Ja 578	
Noyes, Tamara G. <i>Portrait</i> Ma 827	
Numbers, GR-S, Assigned, New S 794	
O	
OBITUARY	
Adams, Frank H. F 700	
Allard, Maurice L. <i>Portrait</i> Ja 558	
Andrews, Ralph J. Ma 836	
Battellor, Fred C. Au 678	
Bollinger, Clarence R. Ap 103	
Condon, John E. D 391	
Cross, Frank F 700	
Elliott, Stanley M. My 250	
Ford, Henry O 92	
Fuchs, Hugo Ja 558	
Gold, Wm. B. Ja 548	
Gorsuch, Edgar H. Ma 836	
Gyllensvard, Eric C. F 698	
Hough, Harry My 250	
Hull, George A. N 248	
Hutchens, Edward O. N 248	
Jeffords, Ernest H. Ja 558	
Jones, Frederick H. JI 534	
Kaminsky, Paul M. JI 534	
Kersten, Karl E. JI 534	
Ladrach, Aaron G. My 248	
Lyons, Maurice E. N 248	
McGill, Charles A. N 248	
McLean, Joseph H. <i>Portrait</i> Au 678	
McMullen, Earle W. S 814	
Mills, J. Clifford S 814	
Osborne, Edward D 391	
Pew, J. Edgar D 391	
Preston, Ernest R. N 248	
Price, George E. JI 538	
Ryan, John T. Ja 558	
Sagrans, Harry D 391	
Scott, Martin D. O 92	
Scherling, Charles W. <i>Portrait</i> JI 534	
Sheahan, Emmet F 698	
Slack, Fred F. S 814	
Sundstrom, Wm. J. F 698	
Swarthout, George B. N 248	
Swettenham, E. A. N 248	
Turner, Harold M. Je 392	
Vaughn, W. A. M. Ja 558	
Watkins, Parke H. Ma 836	
Wernig, Charles M. S 814	
Whalen, Herbert F. Ap 103	
Williams, Wm. J. Au 678	
Winings, Woodburn C. Je 392	
Wood, C. Wm. JI 535	
Zonino, Fred Ja 558	
OFFICES, PLASTICS for Ap 83	
Ohio, Rubber Trade in O 99, N 243, D 396, Ja 552, F 694, Ma 831, Ap 96, My 239, Je 386, JI 530, Au 608, S 809	
Ohmer, Robert F. <i>Portrait</i> N 243	
Oil, Pine Tar, Wartime Use of Pine Tar and My 223	
Organic Adhesives, Flexible, as Structural Elements <i>D. L. Loughborough and F. D. Snyder</i> O 84	
OTS Clearing House JI 511	
List, New S 794	
Reports, Index to Ma 824	
On Rubber Products, Bibliography of Abstracts O 75, D 410, F 710, Au 659, S 854	
Request Technical Assistance S 794	
Outlets for Rubber through Latex, New <i>Charles J. Mighton</i> F 659	
Outlook for Hevea Latex <i>Arthur Nolan</i> F 660	

Ja=Jan.: F=Feb.: Ma=Mar.: Ap=April: My=May: Je=June: JI=July: Au=August: S=Sept.: O=Oct.: N=Nov.: D=Dec.

367	Outlook, Review of Plastic Materials Supply	<i>F. H. Carman</i> N 228
226	Output, Far East Rubber: Progress and Prospects	<i>Everett G. Holt</i> N 205
659	Rubber Chemicals, 1945	<i>Portrait</i> N 234
653	Overacker, H. E.	<i>Portrait</i> N 234
798	Oxidation on the Plasticity and Solubility of GRS, The Effect of	<i>R. D. Juce</i> F 657

P

839	Pacific Coast, Rubber Trade on	O 96, Ma 836, My 232, JI 525, S 805
794	West Coast Mechanical Rubber Goods Industry	<i>Tom Cameron</i> F 655
844	Packaging Institute	D 378
795	Paper, Pyroxylin Coated Fabrics and	O 87, F 679, Ap 84, Au 656
799	Papers, Glycerol Rubber Program, Bibliography of	F 674
225	Paraplex RG-10—New Plasticizer	S 798
534	Parks, Lloyd E.	<i>Portrait</i> Je 383
619	Parks, Large, The Injection Molding of	<i>E. F. Buchner, Jr.</i> Au 656
580	Molded Plastics, Mechanical Precision in	<i>S. K. Mooney</i> F 677

PATENTS

676	Alien, Available for Licensing	O 83
858	Application	O 104, N 249, D 403, Ja 562, F 702, Ma 838, Ap 106, My 252, Je 393, JI 536, Au 682, S 816
661	Chemical	O 105, N 250, D 404, Ja 564, F 704, Ma 840, Ap 108, My 254, Je 394, JI 538, Au 684, S 818
532	Machinery	O 106, N 254, D 408, Ja 568, F 708, Ma 844, Ap 112, My 258, Je 398, JI 540, Au 688, S 822
78	Process	O 105, N 250, D 404, Ja 564, F 702, Ma 840, Ap 108, My 254, Je 393, JI 538, Au 684, S 816
827	Trade Marks	O 108, N 254, D 408, Ja 568, F 708, Ma 844, Ap 114, My 258, Je 398, JI 542, Au 690, S 822
794	Unclassified	O 108, N 254, D 408, Ja 568, F 708, Ma 844, Ap 112, My 258, Je 398, JI 542, Au 688, S 822

PATTON, T. C. AND M. K. SMITH

03	Ricinoleate Esters as Low-Temperature Plasticizers for Nitrile-Type Synthetics	Au 643
01	Tetrafunctional Graph for Appraising Plasticizer Performance in Vulcanized Rubbers	F 666
00	Perbunan, see Synthetic Rubbers	
02	Peru, Rubber Trade in	D 400
03	Petelin, George	<i>Portrait</i> Ap 79
04	Peterjohn, Alvin C.	<i>Portrait</i> Ma 827
05	Phenolic Resins Improve Synthetic Rubber Goods	<i>C. R. Simmons</i> My 224
06	Philadelphia Rubber Group	N 226, F 674, Ap 79, JI 517
07	Philippine Islands, Rubber Trade on	Ap 126, My 240
08	Pigments, 1946 Production of Lead and Zinc	Au 680
09	Pine Tar and Pine Tar Oil, Wartime Use of	My 223

PLACE, WILFRED L., AND FREDERICK E. CLARK

08	Evaluation of Guayule Rubber, The	D 370
09	Plan of Study for the Long-Range Rubber Program	<i>H. J. Sears</i> JI 504
10	Plants, Rubber-Bearing, Navy's Research Program on	Je 366
11	Plastic Materials Manufacturers Association, Inc.	Ap 82
12	Plasticity and Solubility of GRS, The Effect of Oxidation on the	<i>R. D. Juce</i> F 657

PLASTICIZER

13	Paraplex R-G-10—New	S 798
14	Performance in Vulcanized Rubbers, A Tetrafunctional Graph for Appraising	<i>T. C. Patton and M. K. Smith</i> F 666
15	Plastoflex 62—New	JI 517
16	Vinyl, New—Plastoflex	Je 375
17	Plasticizers, Methods for Evaluating, for Polyvinyl Chloride	<i>D. L. Kent and P. J. Weaver</i> Ma 813
18	Monoplex 11 and 16—New	Au 653
19	Ricinoleate Esters as Low-Temperature, for Nitrile-Type Synthetics	<i>T. C. Patton and M. K. Smith</i> Au 643

PLASTICS

20	A.S.M.E. Rubber and Program	My 225
21	A.S.T.M., Committee	My 224
22	Acetyl Cellulose Acetate, High	JI 516
23	Accounting Manual	O 86
24	Advances in, during 1946	<i>Henry M. Richardson</i> Ja 534
25	Aromatics for Vinyl Coatings—Res-O-Dors	Au 680
26	Bonds Resistant to Temperature Changes	D 383
27	Clothesline	Ja 556
28	Coloring Materials, New Color Dispersions and—Poly-Tint	F 674
29	Courses, Retailing and Merchandising	N 230
30	Decorating of Vinyl Films, The	<i>A. B. Sherry</i> Au 655
31	Exposition	O 86, N 231, Ma 817, Ap 82, Je 373
32	Farm By-Products, Utilizes	Ap 84
33	Flame-Resistant—Diallylphenylphosphate	S 798
34	Flexible Organic Adhesives as Structural Elements	<i>D. L. Loughborough and F. D. Snyder</i> O 84

PLASTICS

35	Geon-Hycar Polydienes, M. S. Moulton	Je 371
36	Gloves, Work, Plastic Coated	N 231
37	Handbook, New Chapters Ready	N 231
38	Hyatt Award	Ap 82, My 225
39	Industry, Predict Further Growth of	JI 655
40	Injection Molding of Large Parts, The	<i>E. F. Buchner, Jr.</i> Au 656
41	Insulation and Buoyancy Materials, New—Styrofoam	D 383
42	Koroal Forum	O 86
43	Laminating Compound, New—Latex Compound	≡1184-8 Ma 817
44	Plant, New GE	O 86
45	Materials Picture, 1947	<i>F. H. Carman</i> Ap 80
46	Supply Outlook, Review of	<i>F. H. Carman</i> O 228
47	Mechanical Precision in Molded Plastic Parts	<i>S. K. Mooney</i> F 677
48	Methods for Evaluating Plasticizers for Polyvinyl Chloride	<i>D. L. Kent and P. J. Weaver</i> Ma 813
49	Molding, Film on	My 225
50	Offices, for	Ap 83
51	Phenolic Resins Improve Synthetic Rubber Goods	<i>C. R. Simmons</i> My 224
52	Plasticizer, New Paraplex 10	S 798
53	Vinyl—Plastoflex	≡5 Je 375
54	Polvin, Monsanto to Produce	Ap 83
55	Polyethylene, More, Coming	Ap 83
56	Prices Reduced	JI 516
57	Polyurethanes	JI 515
58	Pyroxylin-Coated Fabrics and Paper	O 87, F 679, Ap 84, Au 656
59	Rayon Laminated	Ja 538
60	Resin, Low-Pressure Molding—GRM-2	Ja 538
61	Resins, Kriston, Goodrich Chemical Reduces the Price of	Ja 538
62	Sheeting, Laminated Plastic—U.S. Naugahyde Shoe Material	F 693
63	Shipments and Consumption of, and Resins	Ja 538, Ap 84
64	Show and Convention	Ap 82, Je 373, JI 516
65	Engineers	O 87
66	SPE Meeting and	Ma 817
67	Silicone, Finishes	My 225
68	Technology	O 84, N 228, D 383, Ja 534, F 677, Ma 813, Ap 80, My 224, Je 371, JI 515, Au 655, S 796
69	Upholstery—Heavy-Duty Naugahyde	JI 547
70	Vinyl Adhesive, New—"Vinyl-Lastic"	F 679

STABILIZERS, NEW

71	Plumb-O-Sil	F 679
72	Tribase	F 679
73	Plastoflex	≡5—New Vinyl Plasticizer Je 375
74	Plastoflex 62—New Plasticizer	JI 517
75	Phiolite S-6	F 696
76	Plumb-O-Sil—New Vinyl Stabilizer	F 679
77	Pockel, Irving, S. H. Katz and	
78	Improvements in Gas Mask Faceblanks	O 69
79	Policies, Malayan Rubber	<i>P. T. Baner</i> Au 629, S 783
80	Poland, Rubber Trade in	D 424
81	Polvin, Monsanto to Produce	Ap 83
82	Polyblends, Geon-Hycar	<i>M. S. Moulton</i> Je 371
83	Polyethylene Glycol Esters—Quakesters	S 795
84	More, Coming	Ap 84
85	Prices Reduced	JI 516

POLYMERS

86	Diene-Type, New, Methods for Evaluating	<i>A. E. Juce and C. H. Schroeder</i> Ja 515
87	GRS, Available	<i>J. L. Brady</i> Ja 509
88	And Latices, Tables of Standard, Special-Purpose, and Experimental, Office of Rubber Reserve, RFC, February 1, 1947	Ma 808
89	June 1, 1947	JI 512
90	GRS-SP, Naugatuck	My 222
91	Vulcanized, A Simple Cold Test for	215
92	Polystyrene Surface Finisher	<i>Harold M. Leeper</i> N 217
93	Poly-Tint—New Color Dispersions and	Plastics Coloring Materials F 674
94	Polyurethanes	JI 515
95	Polyvinyl Chloride, Methods for Evaluating Plasticizers for	<i>D. L. Kent and P. J. Weaver</i> Ma 813
96	Powdered Metallic Fillers—Rossaloy	F 676
97	Precision, Mechanical, in Molded Plastic Parts	<i>S. K. Mooney</i> F 677
98	Preservation and Storage of Latex, Proper	<i>John McGuckack</i> D 362
99	Preservative and Lubricant, Rubber—Viteum	Au 680
00	Price, Raymond B.	<i>Portrait</i> F 653

PRICES

01	Acrylic Resin, Reduced	JI 517
02	Kriston Resins, Goodrich Chemical Reduces the Price of	Ja 538
03	Natural Rubber—22½¢	O 89
04	Polyethylene, Reduced	JI 516
05	Resin, Hercules Reduces	Au 654
06	Synthetic Rubber, Changes	O 83, S 794
07	Process Patents	O 105, N 250, D 404, Ja 564, F 702, Ma 840, Ap 108, My 254, Je 393, JI 538, Au 684, S 816
08	Processing of Channel Blacks in a GR-S Tread Stock	<i>Gardner L. Brown</i> S 787
09	Production and Sales, Carbon Black, 1945	Ap 79
10	1946, Set Record	JI 535
11	Synthetic Rubber, Governmental Activities in the	<i>W. R. Hucks</i> Je 347
12	Thiurams, 1946	F 676

13	Products, Rubber, OTS Bibliography Reports of—Abstracts	O 75, D 410, F 710, Au 659, S 854
14	Program, Government Rubber, Papers, Bibliography of	F 674
15	Long-Range Rubber, A Plan of Study for the	<i>H. J. Sears</i> JI 504
16	Progress and Prospects: Far East Rubber Output	<i>Everett G. Holt</i> N 205
17	Toward an Assured Natural Rubber Supply	<i>E. W. Brandes</i> JI 491
18	Proper Preservation and Storage of Latex	<i>John McGuckack</i> D 362
19	Prospects for the Synthetic Rubber Industry	<i>R. P. Dinamore</i> D 359
20	Progress and: Far East Rubber Output	<i>Everett G. Holt</i> N 205
21	Properties, Lactoprene EV Elastomer Curing Recipes and	<i>W. C. Mast, T. J. Dietz, R. L. Dean, and C. H. Fisher</i> Je 355
22	Protected or a Free Industry, A—Synthetic Rubber	<i>Ralph F. Wolf</i> Ap 641
23	Publications, New	O 127, N 274, D 432, Ja 581, F 726, Ma 806, Ap 154, My 278, Je 416, JI 564, Au 708, S 839
24	Purchases, GRS Latex Drum, Discontinue Authorizations for	Au 654
25	Pyridine, Wartime Allocations of	Ja 530
26	Pyroxylin Coated Fabrics and Paper	O 87, F 679, Ap 84, Au 656

Q

27	Quakesters—Polyethylene Glycol Esters	S 795
28	Quebec Rubber & Plastics Group	F 675, Ma 812, Ap 77, Je 375

R

29	Rayon Laminated Plastics	Ja 538
30	Market	D 436, Ja 584, F 732, Ma 872, Ap 140, My 286, Je 424, JI 572, Au 716, S 846
31	Truck Tire Cords, Cotton	Ja 581
32	Recent Russian Literature on Natural and Synthetic Rubber	<i>M. Hosh</i> O 73, N 231, Ap 82, My 224, Je 371, JI 515, Au 655, S 796
33	Recipes and Properties, Lactoprene EV Elastomer Curing	<i>W. C. Mast, T. J. Dietz, R. L. Dean, and C. H. Fisher</i> Je 355
34	Reclaimed Rubber Market	O 134, N 282, D 438, Ja 586, F 732, Ma 872, Ap 142, My 284, Je 422, JI 570, Au 714, S 844
35	Recorder, An Automatic Spark, for Stress-Strain Testing	<i>R. L. Shearer</i> JI 498
36	Reinforcing Agent, New	<i>Phiolite S-6</i> F 696
37	Regulation, Rubber, The Working of	<i>Bauer</i> Ja 501
38	Reinke, C. M.	<i>Portrait</i> D 378
39	REINSMITH, GERALD	
40	Tear Resistance of Vulcanized Rubber	JI 499
41	Reports on Rubber Products, OTS Bibliography—Abstracts	O 75, D 410, F 710, Au 659, S 854
42	OTS, Available	JI 512
43	Index to	Ja 584
44	Research and Technology, Rubber, at the National Bureau of Standards	<i>Lawrence A. Wood</i> Ma 789
45	Leading to Commercial Butadiene Synthetic Rubber	<i>Waldo L. Semon</i> D 364
46	Program, Navy's, on Rubber-Bearing Plants	N 233, Je 366
47	RESIN	
48	50, Good-Rite	JI 514
49	Low-Pressure Molding—GRM-2	Ja 538
50	Prices Reduced, Acrylic	JI 517
51	Hercules	Au 654
52	Resins, Kriston, Goodrich Chemical Reduces the Price of	Ja 538
53	Phenolic, Improve Synthetic Rubber Goods	<i>C. R. Simmons</i> My 224
54	Shipments and Consumption of Plastics and	Ja 538, Ap 84, JI 516
55	Resistance, Tear, of Vulcanized Rubber	<i>Gerald Reinsmith</i> JI 499
56	Res-O-Dors—Aromatics for Vinyl Coatings	Au 680
57	Retreading and Rubber-Working Machinery	Ja 531
58	Review of Plastic Materials Supply Outlook	<i>F. H. Carman</i> N 228
59	Rhoads, Samuel R.	<i>Portrait</i> My 233
60	Rhodamine—New Chemical Intermediate	Ma 805
61	Rhode Island Rubber Club	My 271, Au 653
62	RICHARDSON, HENRY M.	
63	Advances in Plastics during 1946	Ja 534
64	RIESING, ELLWOOD F., AND JOSEPH O. CALLOUETTE	
65	Advances in Rubber during 1946	Ja 519
66	Rims Approved and Branded by The Tire Rim Association, Inc.	O 140, N 240, D 444, Ja 570, F 734, Ma 880, Ap 142, My 258, Je 424, JI 572, Au 716, S 856
67	Ricinoleate Esters as Low-Temperature Plasticizers for Nitrile-Type Synthetics	<i>T. C. Patton and M. K. Smith</i> Au 653
68	Robson, J. J.	<i>Portrait</i> Ma 811
69	Ross, Bryant C.	<i>Portrait</i> Je 383
70	Rossaloy—Powdered Metallic Fillers	F 676
71	Rostler, Fritz	<i>Portrait</i> Ma 817
72	Roth, F. L., L. W. Schaefer and	D 382
73	Developments and Improvements in Methods of Stress-Strain Testing of Rubber	S 777

	PAGES		PAGES		PAGES
RESEARCH		STATISTICS		STATISTICS	
Advances in, during 1946..... <i>Lillicand</i>		Netherlands India, Exports to Malaya..... <i>F</i> 687		Netherlands India, Exports to Malaya..... <i>Ap</i> 91	
<i>P. Kiening and Joseph D. Calhoun</i> Ja 319		TIRES		Camelback and Production..... <i>W</i> 387, <i>Je</i> 337	
Bearing Plants, Navy's Research Program..... <i>Je</i> 366		Inventory—Production Domestic Shipments..... <i>O</i> 90, <i>N</i> 234, <i>D</i> 387, <i>Ja</i> 543, <i>F</i> 688, <i>Ap</i> 90, <i>My</i> 231, <i>Je</i> 377, <i>Je</i> 319, <i>Ap</i> 662, <i>Ma</i> 823		Production..... <i>Ma</i> 823	
Chemicals Output, 1945..... <i>N</i> 225		UNITED STATES		Camelback and Tires, Production..... <i>Ma</i> 823, <i>Je</i> 377	
Exposure Cracking of..... <i>Je</i> 366		Consumption, Rubber..... <i>N</i> 257, <i>Ja</i> 544, <i>Ma</i> 823		and Production..... <i>D</i> 387, <i>Ja</i> 544, <i>Ma</i> 823	
Goods Industry, Material Handling Survey of..... <i>Je</i> 331		Exports, Rubber and Latex..... <i>F</i> 687		Imports..... <i>F</i> 687	
Shipments of..... <i>Je</i> 331		Industry, Rubber, Employment, Wages, and Hours..... <i>S</i> 856		Latex..... <i>Je</i> 574, <i>Ap</i> 718, <i>S</i> 858	
Gunite, The Evaluation of..... <i>D</i> 470		Natural Rubber..... <i>Je</i> 574, <i>Ap</i> 718, <i>S</i> 858		Production, Consumption, Imports, Exports, and Stocks..... <i>Je</i> 574, <i>Ap</i> 718, <i>S</i> 858	
<i>P. J. Place and Frederick J. Galt</i> D 470		Reclaimed Rubber..... <i>N</i> 282, <i>Ap</i> 142, <i>Je</i> 574, <i>Ap</i> 718, <i>S</i> 858		Consumption..... <i>N</i> 233, <i>Ma</i> 823	
"Heat Embrittlement" of GRS and Hevea Compounds, A Method of Measuring..... <i>Allen H. School and J. H. Liska</i> <i>F</i> 663		Rims Approved and Branded by The Tire & Rim Association, Inc..... <i>O</i> 140, <i>N</i> 240, <i>D</i> 444, <i>Ja</i> 570, <i>F</i> 734, <i>Ma</i> 880, <i>Ap</i> 142, <i>My</i> 258, <i>Je</i> 424, <i>Je</i> 572, <i>Ap</i> 716, <i>S</i> 856		Stocks, Rubber and Latex..... <i>Ma</i> 823	
Industry in Chicago, A Historical Survey of the..... <i>J. H. Lawrence</i> <i>F</i> 649		Supply, Rubber and Latex..... <i>Ma</i> 823		Synthetic Rubber..... <i>Je</i> 574, <i>Ap</i> 718, <i>S</i> 858	
Lake Materials, Hysteresis and Methods for Its Measurement in..... <i>D</i> 217		STEVENS, E. A. <i>Portrait</i> <i>My</i> 233		Stock, GRS Tread, Processing of Channel Blacks in a..... <i>Gardner L. Brown</i> <i>S</i> 787	
Malayan, Policies..... <i>P. L. Ramer</i> <i>Ap</i> 629, <i>S</i> 783		SMITH, M. K., AND T. C. PATTON		Storage of Latex, Proper Preservation and..... <i>John McIntosh</i> <i>D</i> 362	
MANUFACTURERS ASSOCIATION, INC.		Chemical Industry..... <i>D</i> 377, <i>My</i> 212		Strain, Stress, Testing, An Automatic Spark Recorder for..... <i>R. Shearer</i> <i>Je</i> 498	
Coated Materials Division, Boston		Plastics Engineers..... <i>O</i> 87, <i>N</i> 231, <i>Ma</i> 817, <i>Ap</i> 85, <i>Je</i> 375		Of Rubber, Developments and Improvements in Methods of..... <i>J. H. Schade and F. L. Roth</i> <i>S</i> 777	
Heads..... <i>Je</i> 386		THE PLASTICS INDUSTRY, INC.		Stress-Strain Testing, An Automatic Spark Recorder for..... <i>R. Shearer</i> <i>Je</i> 498	
Naming Committee..... <i>D</i> 376		Accounting Manual..... <i>O</i> 86		Of Rubber, Developments and Improvements in Methods of..... <i>J. H. Schade and F. L. Roth</i> <i>S</i> 777	
Reports on Rubber Consumption..... <i>D</i> 376		Conference and Exposition..... <i>F</i> 373		Structural Elements, Flexible Organic Adhesives as..... <i>D. L. Longborough and F. D. Snyder</i> <i>O</i> 84	
Tires..... <i>O</i> 90, <i>N</i> 234, <i>D</i> 387, <i>Ja</i> 543, <i>F</i> 688, <i>Ap</i> 90, <i>My</i> 231, <i>Je</i> 377, <i>Je</i> 319, <i>Ap</i> 662, <i>Ma</i> 823		Courses, Retailing and Merchandising..... <i>N</i> 230		Studies on the Concentration of German Buna and GRS Latexes, Some..... <i>Samuel H. Maron and Carl Moore</i> <i>S</i> 789	
Wins Award..... <i>Je</i> 331		Exposition, National..... <i>O</i> 86, <i>N</i> 231, <i>Ma</i> 817, <i>Ap</i> 82, <i>Je</i> 373		Study, A Plan of, for the Long-Range Rubber Program..... <i>J. J. Sears</i> <i>Je</i> 504	
Naming Committee..... <i>D</i> 376		Handbook, New Chapters Ready..... <i>N</i> 231		Synthetic Rubber, Progress toward an Assured Outlook, Review of Plastic Materials..... <i>F. H. Carman</i> <i>N</i> 228	
Outlets, New, for Rubber through Latex..... <i>Charles J. Alington</i> <i>F</i> 659		Meeting, Low-Pressure Division..... <i>Ma</i> 817		Surface-Active Agent, Non-Ionic—Modiol L..... <i>Ja</i> 532	
Output, Far East: Progress and Prospects..... <i>Herbert H. Holt</i> <i>N</i> 205		Midwest..... <i>N</i> 231		Finishes, Polystyrene..... <i>Je</i> 517	
PATENTS		New England..... <i>O</i> 86		Surinam, Rubber Trade in..... <i>Ap</i> 80	
Application..... <i>O</i> 104, <i>N</i> 240, <i>D</i> 401, <i>Ja</i> 562, <i>F</i> 702, <i>Ma</i> 828, <i>Ap</i> 100, <i>My</i> 252, <i>Je</i> 393, <i>Je</i> 536, <i>Ap</i> 682, <i>S</i> 816		Solubilities of Unvulcanized Rubbers..... <i>D. T. Sarch and B. S. Garvey, Jr.</i> <i>Ma</i> 798		Survey, Historical, of the Rubber Industry in Chicago..... <i>H. J. Hinkelmann</i> <i>F</i> 649	
Unclassified..... <i>O</i> 108, <i>N</i> 234, <i>D</i> 408, <i>Ja</i> 568, <i>F</i> 708, <i>Ma</i> 844, <i>Ap</i> 112, <i>My</i> 258, <i>Je</i> 398, <i>Je</i> 542, <i>Ap</i> 688, <i>S</i> 822		Solubility of GRS, The Effect of Oxidation on the Plasticity and..... <i>R. D. Juce</i> <i>F</i> 657		Material Handling, of Rubber Goods Industry..... <i>Je</i> 351	
Preservative and Lubricant Vene..... <i>Ap</i> 680		Some Studies on the Concentration of German Buna and GRS Latexes..... <i>Samuel H. Maron and Carl Moore</i> <i>S</i> 789		Sweden, Rubber Trade in..... <i>N</i> 269, <i>Ja</i> 578, <i>Ma</i> 860	
Price Changes, Government..... <i>S</i> 794		South America, Rubber Industry..... <i>N</i> 272, <i>D</i> 400, <i>Ja</i> 550, <i>F</i> 724, <i>Ma</i> 797, <i>Ap</i> 70, <i>My</i> 210		Symposium, Synthetic Filers..... <i>F</i> 676	
Products, OIS Bibliography Reports on..... <i>O</i> 75, <i>D</i> 410, <i>F</i> 710, <i>Ap</i> 639, <i>S</i> 854		U.S.A., Rubber Trade in..... <i>O</i> 93, <i>N</i> 237, <i>D</i> 392, <i>Ja</i> 546, <i>F</i> 691, <i>Ma</i> 828, <i>Ap</i> 93, <i>My</i> 234, <i>Je</i> 383, <i>Je</i> 521, <i>Ap</i> 664, <i>S</i> 806		RESEARCH	
Abstracts..... <i>O</i> 75, <i>D</i> 410, <i>F</i> 710, <i>Ap</i> 639, <i>S</i> 854		Southern Ohio Rubber Group..... <i>N</i> 227, <i>Ja</i> 533, <i>Ap</i> 76, <i>Je</i> 514, <i>S</i> 796		Analysis, Chemical, of, Development of Methods of..... <i>Willard P. Tyler and T. Higuchi</i> <i>Ap</i> 635	
Program, Long Range, A Plan of Study for the..... <i>J. J. Sears</i> <i>Je</i> 504		Spain, Rubber Trade in..... <i>Ja</i> 578		Buna, German, and GRS Latexes, Some Studies on the Concentration of..... <i>Samuel H. Maron and Carl Moore</i> <i>S</i> 789	
Papers, Bibliography of..... <i>F</i> 674		Strain Testing, An Automatic, for Stress-Special-Purpose, and Experimental GRS Polymers and Latexes, Tables of Standard, Office of Rubber Reserve, RFC, February 1, 1947..... <i>Ma</i> 808		Butadiene, Use of Fatty Acids and Their Soaps in the Manufacture of, The..... <i>N</i> 63	
Regulation, The Working of..... <i>P. T. Raper</i> <i>Je</i> 501		June 1, 1947..... <i>Je</i> 512		Future of, World Economic Trends and the..... <i>Wm. F. Zimmerli</i> <i>My</i> 197	
Research and Technology at the National Bureau of Standards..... <i>J. Wood</i> <i>Ma</i> 789		Specifications, A.S.T.M., New..... <i>N</i> 224		Governmental Activities in the Production of..... <i>W. R. Hacks</i> <i>Je</i> 347	
Reserve Circulars..... <i>O</i> 83, <i>N</i> 227, <i>Ja</i> 532, <i>F</i> 676, <i>Ma</i> 801, <i>808</i> , <i>810</i> , <i>My</i> 222, <i>Je</i> 392, <i>Je</i> 512, <i>513</i> , <i>Ap</i> 654, <i>S</i> 793, <i>794</i>		Navy, New..... <i>O</i> 83, <i>N</i> 226, <i>Ja</i> 532, <i>F</i> 675, <i>Je</i> 367		GRS	
Safety Conference..... <i>D</i> 375		Stabilizer, Perbunan, Changed..... <i>Ja</i> 530		Antioxidant, Less, in..... <i>Ma</i> 810	
Supply, Natural, Progress toward an Assured Outlook..... <i>E. W. Brandes</i> <i>Je</i> 491		Stabilizers, VINYL, NEW		Effect of Oxidation on the Plasticity and Solubility of..... <i>R. D. Juce</i> <i>F</i> 657	
Testing, Stress-Strain, Developments and Improvements in Methods of..... <i>J. H. Schade and F. L. Roth</i> <i>S</i> 777		Plumb-O-Sil..... <i>F</i> 679		Experimental, and, Latexes, Addition of..... <i>O</i> 154, <i>N</i> 227, <i>Ja</i> 532, <i>Ap</i> 676, <i>Ma</i> 801, <i>Je</i> 392, <i>Je</i> 513, <i>Ap</i> 654, <i>S</i> 793	
TRADE ASSOCIATION OF NEW YORK, INC.		Tribase..... <i>F</i> 679		Polymers, and Latexes, Tables of Standard, Special-Purpose, and, Office of Rubber Reserve, RFC, February 1, 1947..... <i>Ma</i> 808	
New York Outside Market..... <i>My</i> 282, <i>Je</i> 422, <i>Je</i> 570, <i>Ap</i> 714, <i>S</i> 844		Standard Hydrocarbon Samples, New..... <i>S</i> 794		June 1, 1947..... <i>Je</i> 512	
Vulcanized, Tear Resistance of..... <i>Gerald R. Keim</i> <i>Ap</i> 499		Special-Purpose, and Experimental GRS Polymers and Latexes, Office of Rubber Reserve, RFC, February 1, 1947..... <i>Ma</i> 808		Staten K. a Furnace Carbon Superior to Channel Black..... <i>Reid L. Carr and W. B. Wiegand</i> <i>My</i> 205	
Working Machinery, Retrading and..... <i>Ja</i> 531		Specifications, A.S.T.M., New..... <i>N</i> 224		STATISTICS	
Rubbers, Natural..... <i>Norman Bekkedahl</i> <i>Ap</i> 57		Navy, New..... <i>O</i> 83, <i>N</i> 226, <i>Ja</i> 532, <i>F</i> 675, <i>Je</i> 367		Canada..... <i>O</i> 131, <i>N</i> 284, <i>D</i> 361, <i>Ja</i> 588, <i>F</i> 736, <i>Ma</i> 881, <i>Ap</i> 144, <i>My</i> 287, <i>Je</i> 432, <i>Je</i> 575, <i>Ap</i> 720, <i>S</i> 860	
Unvulcanized, Solubilities of..... <i>D. T. Sarch and B. S. Garvey, Jr.</i> <i>Ma</i> 798		Southern Ohio Rubber Group..... <i>N</i> 227, <i>Ja</i> 533, <i>Ap</i> 76, <i>Je</i> 514, <i>S</i> 796		Far Eastern Rubber Exports..... <i>F</i> 687	
Vulcanized, A Tetrafunctional Graph for Appraising Plasticizer Performance in..... <i>T. C. Patton and M. K. Smith</i> <i>F</i> 666		Spain, Rubber Trade in..... <i>Ja</i> 578		Production..... <i>O</i> 88	
Russia, Rubber Trade in..... <i>F</i> 723, <i>My</i> 262		Strain Testing, An Automatic, for Stress-Special-Purpose, and Experimental GRS Polymers and Latexes, Tables of Standard, Office of Rubber Reserve, RFC, February 1, 1947..... <i>Ma</i> 808		Malaya..... <i>D</i> 446, <i>Ja</i> 570, <i>F</i> 710, <i>Ma</i> 821, <i>874</i> , <i>Ap</i> 114, <i>My</i> 286, <i>Je</i> 430, <i>Je</i> 574, <i>Ap</i> 718, <i>S</i> 858	
Synthetic Rubber..... <i>M. Hosh</i> <i>O</i> 73, <i>N</i> 216, <i>Ja</i> 518, <i>Ap</i> 62		June 1, 1947..... <i>Je</i> 512		Exports..... <i>Ap</i> 91	
S		Staten K. a Furnace Carbon Superior to Channel Black..... <i>Reid L. Carr and W. B. Wiegand</i> <i>My</i> 205		Imports from Netherlands India..... <i>F</i> 687	
SAFETY		STATISTICS		Stocks..... <i>Ap</i> 90	
Council, National, see also		Canada..... <i>O</i> 131, <i>N</i> 284, <i>D</i> 361, <i>Ja</i> 588, <i>F</i> 736, <i>Ma</i> 881, <i>Ap</i> 144, <i>My</i> 287, <i>Je</i> 432, <i>Je</i> 575, <i>Ap</i> 720, <i>S</i> 860			
Manual, Copolymer, New Edition of..... <i>Ja</i> 533		Far Eastern Rubber Exports..... <i>F</i> 687			
Rubber Reserve, Conference..... <i>Je</i> 375		Production..... <i>O</i> 88			
Sales, Carbon Black Production and, 1945..... <i>Ap</i> 79		Malaya..... <i>D</i> 446, <i>Ja</i> 570, <i>F</i> 710, <i>Ma</i> 821, <i>874</i> , <i>Ap</i> 114, <i>My</i> 286, <i>Je</i> 430, <i>Je</i> 574, <i>Ap</i> 718, <i>S</i> 858			
Set Record, 1946..... <i>Je</i> 535		Exports..... <i>Ap</i> 91			
Samples, New Standard Hydrocarbon..... <i>S</i> 794		Imports from Netherlands India..... <i>F</i> 687			
SARCHI, D. V., AND B. S. GARVEY, JR.		Stocks..... <i>Ap</i> 90			
Solubilities of Unvulcanized Rubber..... <i>Ma</i> 798					
SEARS, J. W., AND F. L. ROTH					
Developments and Improvements in Methods of Stress-Strain Testing of Rubber..... <i>S</i> 777					
Scheuermann, Joseph S..... <i>Portrait</i> <i>My</i> 234					
SCHOLL, ALLEN W., AND J. W. LISK					
Method of Measuring "Heat Embrittlement" of GRS and Hevea Rubber pounds..... <i>F</i> 663					
SCHROEDER, C. H., A. E. JUCE AND					
Methods for Evaluating New Diene-Tyrene Polymers..... <i>Ja</i> 515					
Scientific and Technical Activities..... <i>O</i> 78, <i>N</i> 224, <i>D</i> 375, <i>Ja</i> 526, <i>F</i> 671, <i>Ma</i> 807, <i>Ap</i> 72, <i>Je</i> 365, <i>Je</i> 509, <i>Ap</i> 646, <i>S</i> 793					
Scott, Harvey..... <i>Portrait</i> <i>Je</i> 530					
Scrap Rubber Market..... <i>O</i> 132, <i>N</i> 282, <i>D</i> 436, <i>Ja</i> 586, <i>F</i> 732, <i>Ma</i> 872, <i>Ap</i> 140, <i>My</i> 284, <i>Je</i> 422, <i>Je</i> 570, <i>Ap</i> 714, <i>S</i> 844					

Ja=Jan.; F=Feb.; Ma=Mar.; Ap=April; My=May; Je=June; Jl=July; Au=August; S=Sept.; O=Oct.; N=Nov.; D=Dec.

SYNTHETIC RUBBERS

PAGES

GR-S	
Low Moisture Absorptive, H. T. L.	781
Ten Brock and R. D. Jue	794
Numbers Assigned, New	509
Polymers Available, J. L. Brady	83
Price Changes	83
Tire Cords Encased in Moisture	
Transfer to and from, H. James Lyons, Hilda M. Züfle, Mary L. Nelson, and Trinidad Mares	199
Tread Stock, Processing of Channel	
Blacks in a, Gardner L. Broen	787
Vibration Fatigue of, in the Goodrich Flexometer M. C. Thordahl	69
Wire and Cable, for	218
GR-S-Polymers, Nantuxnick	222
Hycar, Gen., Polyblends	371
Hysteresis and Methods for Its Measurement in Rubber-Like Materials, J. H. Dillon and S. D. Gehman	217
Industry, Prospects for the	359
Protected or a Free, A. Ralph F. Wolf	641
Neoprene Cement, New	226
Perfluoro Stabilizer Changed	530
Phenolic Resins Improve, Goods	224
Price Changes	224
Research Leading to Commercial butadiene	564
Russian Literature, Recent, on Natural and	62
Synthetics, Nitrile-Type, Ricinoleate Esters as Low-Temperature Plasticizers for	643

T

Tables of Standard, Special-Purpose, and Experimental GR-S Polymers and Latexes, Office of Rubber Reserve, RFC, February 1, 1947	808
June 1, 1947	512
Tackifier, New—Modified G	225
Tear Resistance of Vulcanized Rubber, Gerald Reinsmith	499
Technical Service Association of the Chemical Industry	796
Technology, Rubber Research and, at the National Bureau of Standards, Lawrence A. Wood	789
Temperature Changes, Plastic Bonds Resistant to	383
Low, Plasticizers for Nitrile-Type Synthetics, Ricinoleate Esters as	643
TEX BROECK, W. T. L., AND R. D. JUE	
Low Moisture Absorptive GR-S	781
Tenney, A. H.	693
Test for Vulcanized Polymers, A Simple	215
Testing, Stress-Strain, An Automatic Spark Recorder for	498
Of Rubber, Developments and Improvements in Methods of, J. W. Schade and F. L. Roth	777
Tests, Laboratory and Service Abrasion, Correlation of, A. E. Jue, F. L. Graves, and J. H. Fielding	208
Tetrafunctional Graph for Appraising Plasticizer Performance in Vulcanized Rubbers, A. T. C. Patton and M. K. Smith	666
TEXTILE FINISHING AGENTS	
Kandari	394
Kolac	394
Machine Displayed, German	512
Thickness, Airbag, The Effect of, on the Cure of a 6.00x16 Tire H. A. Freeman	639
Thiokol Club	511
Thiurams, 1946 Production of	676
Thomas, E. J.	696
Threads, Latex Glycerin in	227
THORDAHL, M. C.	
Vibration Fatigue of GR-S in the Goodrich Flexometer	69
Tile Cement, New	512
TIRE	
Cords Encased in GR-S, Moisture Transfer to and from, H. James Lyons, Hilda M. Züfle, Mary L. Nelson, and Trinidad Mares	199
Truck, Cotton vs. Rayon	651
Cure of a 6.00x16, The Effect of Airbag Thickness on the	639
Toys, Rubber—CPA Consulting Technical Committee Meeting	671
TRADE	
Lists Available	586
F 708, Ma 835, Ap 114, Je 424, Ji 542	
Marks	798
O 108, N 254, D 408, Ja 568, F 708, Ma 844, Ap 114, My 258, Ja 398, Ji 542, Au 690, S 822	
Opportunities, Foreign	82
F 708, Ma 824, Ap 142, Ji 574, Au 690, S 822	
Transfer, Moisture, to and from Tire Cords Encased in GR-S	199
Hilda M. Züfle, Mary L. Nelson, and Trinidad Mares	

Tread Stock, GR-S, Processing of Channel	
Blacks in a, Gardner L. Broen	787
Trends, World Economic, and the Future of	
Synthetic Rubber, H. M. F. Zimmerli	197
Tribase—New Vinyl Stabilizer	679
Trishman, Harry A.	93
Truck Tire Cords, Cotton vs. Rayon	651
Truck, Rubber Trade in	269
2-Amino Ethyl Sulfuric Acid—New Chemical Intermediate	805
TYLER, WILLARD P., AND T. HINGCHI	
Developments of Methods of Chemical Analysis of Synthetic Rubber	635

U

Unclassified Patents	108, N 254, D 408, Ja 568, F 708, Ma 844, Ap 112, My 258, Je 398, Ji 542, Au 688, S 822
Unicel ND—New Blowing Agent	369
United States, Rubber Trade in	88, N 232, D 384, Ja 539, F 680, Ma 818, Ap 85, My 226, Je 376, Ji 518, Au 690, S 799
Unvulcanized Rubbers, Solubility of, D. F. Garvey, Jr.	798
Uruguay, Rubber Trade in	272
Use of Ethyl Alcohol, Wartime	675
Fatty Acids and Their Soaps in the Manufacture of Butadiene Synthetic Rubber, The	63

V

VAN DER BIE, G. L.	
Centrifuging of Latex—I	209
Vance, Harold	811
Venuto, L. J.	369
Vibration Fatigue of GR-S in the Goodrich Flexometer	69
Vila, George R.	239
VINYL	
Adhesive, New—"Vinyl-Lastic"	679
Coating, Aromatics for—Res-O-Pore	680
Elastomers for Extrusion and Molding	797
Films, The Decorating of A. B. Sherry	655
"Lastic"—New, Adhesive	679
Plasticizer, New—Plastoflex	375
STABILIZERS, NEW	
Plumb-O-Sil	679
Tribase	679
Vitene—Rubber Preservative and Lubricant	680
Vogt, W. W.	79
Vulcanized Polymers, A Simple Cold Test for	215
Rubber, Tear Resistance of	499
Rubbers, A Tetrafunctional Graph for Appraising Plasticizer Performance in	666

W

Walling, Cheves T.	666
Wartime Allocations of Peridine	675
WEAVER, P. J., D. L. KENT AND	
Methods for Evaluating Plasticizers for Polyvinyl Chloride	813
Webber, Robert L.	238
West Coast Mechanical Rubber Goods Industry	655
Wetzel, Charles	552
Wheeler, W. B.	382
WIEGAND, K.	
Furnace Carbon Superior to Channel Black	205
WILKES, B. A., W. R. SMITH AND	
Furnace Blacks—Present and Future	361
Wilshusen, W. B.	523
WINKELMANN, H. A.	
Historical Survey of the Rubber Industry in Chicago, A	649
Wire and Cable—CPA Consulting Technical Committee Meeting	218
WOHLER, L. R.	
Synthetic Latexes—A Summary	66
WOLF, RALPH F.	
Synthetic Rubber—A Protected or a Free Industry	641
Wolf, Arthur E.	805
WOOD, LAWRENCE A.	
Rubber Research and Technology at the National Bureau of Standards	789
Working of Rubber Regulation, The	501
World Economic Trends and the Future of Synthetic Rubber	197
Wyman, Charles	827
Wyrrough, George	695

Z

Ziesenheim, Fred C.	243
ZÜFLE, HILDA M., MARY L. NELSON, AND TRINIDAD MARES	
Moisture Transfer to and from Tire Cords Encased in GR-S	199
Zimmerli, Wm. F.	197
World Economic Trends and the Future of Synthetic Rubber	197
Zinc Pigments, 1946 Production of Lead and	680
Zupan "Hi-Lo"—High Temperature Lubricant	834

Rims Approved and Branded by The Tire & Rim Association, Inc.

RIM SIZE	Aug., 1947
15" & 16" D. C. Passenger	
15x4.00E	18,168
16x4.00E	44,207
16x4.50E	188,107
20x4.50E	4,010
15x5.00E	122,032
16x5.00E	29,453
15x5.00F	5,822
16x5.00F	5,822
15x5.50F	58,711
16x5.50F	20,175
16x6.00F	3,068
16x4.00E—Hump	224,572
15x4.50E—Hump	82,469
16x4.50E—Hump	2,600
15x5-K	36,898
16x5-K	111,314
16x5.50-K	94,500
16x6-L	1,118
15x6-L	37,735
17" & Over Passenger	
20x3.62F	534
Flat Base Truck	
20x3.75B	105
17x4.33R	21,264
20x4.33R	20,763
17x5.0	1,560
15x5.00S	10,889
20x5.00S	234,819
20x6.0	24,375
20x6.00S	46,674
20x6.00T	16,450
15x7.0	634
18x7.0	2,686
20x7.0	3,305
20x7.00T	19,567
15x7.33V	292
18x7.33V	1,950
20x7.33V	33,573
22x7.33V	145
24x7.33V	1,789
20x7.5	4,273
22x7.5	2,244
24x7.5	10,989
20x7.50V	2,889
22x7.50V	2,339
20x8.0	447
22x8.0	736
24x8.0	750
20x8.37V	2,254
24x8.37V	336
20x10.0	388
20x10.00W	1,157
Semi D. C. Truck	
15 x 5.50F	22,534
16x5.50F	5,009
Tractor & Implement	
12x2.50C	14,944
12x3.00D	29,611
15x3.00D	4,069
16x3.00D	2,581
19x3.00D	2,214
21x3.00D	2,056
30x3.00D	2,006
15x3.75JA	2,164
16x4.25KA	2,283
20x4.50E	2,132
24x5.50R	4,440
24x8.00T	2,039
28x8.00T	897
32x8.00T	753
36x8.00T	1,865
W3-24	15,300
W6-24	5,292
W7-24	2,260
W8-24	9,981
W8-36	1,609
W9-24	4,039
W9-36	6,900
W10-28	2,188
W10-36	1,112
DW9-38	8,230
DW10-26	305
DW10-36	1,920
DW10-38	4,712
DW10-42	1,503
Tractor & Implement	
DW11-28	746
DW12-26	575
DW12-30	11,798
DW12-34	2,042
Earth Mover	
24x11.25	34
20x13.00	4
24x13.00	577
32x13.00	22
24x15.00	84
29x17.00	41
35x22.00	13
TOTAL	2,236,040

Ja=Jan.; F=Feb.; Ma=Mar.; Ap=April; My=May; Je=June; Jl=July; Au=August; S=Sept.; O=Oct.; N=Nov.; D=Dec.

